1   1.   Apparatus for displaying content from a data file comprising:

2   a media engine for presenting content data from the data file;

3   program logic for streaming content data from the data file and for coordinating a

4   presentation of the content data by the media engine, the presentation having a

5   plurality of data segments;

6   program logic for displaying an outline of the presentation during display of the

7   presentation; and

8   program logic for accessing one of the plurality of data segments within the

9   presentation upon selection of a corresponding portion of the outline of the

10   presentation.

1   2.   In a computer system having a display and capable of generating a presentation

2   from a stream of data, a method comprising:

3   (a)   accessing the stream of data;

4   (b)   extracting content data from the stream of data;

5   (c)   presenting the content data on the display;

6   (d)   extracting outline data representing a plurality of data segments within the

7   presentation, the data segments linked to respective segments of the

8   presentation; and

9   (e)   presenting the outline data on the display simultaneously with the

10   presentation of the content data.

1   3.   The method of claim 2 wherein the plurality of segments within the presentation

2   are arranged in a hierarchical relation and wherein (f) comprises:

3   (f.1)   presenting the outline data in a hierarchical arrangement, portions thereof

4   which are user selectable.

1   4.   The method of claim 3 further comprising:

2   (g)   generating a position icon and traversing the hierarchical arrangement of

3   outline data in correspondence with presentation of the content data.

1   5.   The method of claim 3 further comprising:

2   (g)   upon selection of a portion of the outline data, resolving the link to the

3   associated data segment within the presentation; and

4   (h)   presenting the content data from the data stream associated with the

5   selected segment.

1   6.   A computer program product for use with a computer system having a display

2   and capable of generating a presentation from a stream of data, the computer program

3   product comprising a computer useable medium having program code embodied

4   therein comprising:

5   (a)   program code for accessing the stream of data;

6   (b)   program code for extracting content data from the stream of data;

7   (c)   program code for presenting the content data on the display;

8   (d)   program code for extracting outline data representing a plurality of data

9   segments within the presentation, the data segments linked to respective

10   segments of the presentation; and

11   (e)   program code for presenting the outline data on the display

12   simultaneously with the presentation of the content data.

1   7.   The computer program product of claim 6 wherein the plurality of segments

2   within the presentation are arranged in a hierarchical relation and wherein (f)

3   comprises:

4   (f.1)   program code for presenting the outline data in a hierarchical

5   arrangement, portions thereof which are user selectable.

1   8.   The computer program product of claim 7 further comprising:

2   (g)   program code for generating a position icon and traversing the

3   hierarchical arrangement of outline data in correspondence with presentation of the

4   content data.

1   9.   The computer program product of claim 6 further comprising:

2   (g)   program code for upon selection of a portion of the outline data, resolving

3   the link to the associated data segment within the presentation; and

4   (h)   program code for presenting the content data from the data stream

5   associated with the selected segment.

1   10.   In a computer system having a display and capable of generating a presentation

2   from a stream of data, a method comprising:

3   (a)   accessing the stream of data;

4   (b)   extracting content data from the stream of data;

5   (c)   presenting the content data on the display;

6   (d)   extracting linking data representing at least one link to data other than the

7   presentation data associated therewith, the linking data linked to other

8   data sources; and

9   (e)   presenting the linking data on the display simultaneously with the

10   presentation of the content data.

1   11.   The method of claim 10 further comprising:

2   (f)   pausing the display of the content data and establishing a link to the other

3   data upon selection of the linking data by a user.

1   12.   The method of claim 11 wherein the source of data is the stream of data.

1   13.   The method of claim 11 wherein the source of data is external to the stream of

2   data.

1   14.   A computer program product for use with a computer system having a display

2   and capable of generating a presentation from a stream of data, the computer program

3   product comprising a computer useable medium having program code embodied

4   therein comprising:

5   (a)   program code for accessing the stream of data;

6   (b)   program code for extracting content data from the stream of data;

7   (c)   program code for presenting the content data on the display;

8   (d)   program code for extracting linking data representing at least one link to

9   data other than the presentation data associated therewith, the linking data

10   linked to other data sources; and

11   (e)   program code for presenting the linking data on the display

12   simultaneously with the presentation of the content data.

1   15.   Apparatus for displaying content from a data file comprising:

2   a media engine for presenting different media types from the data file;

3   program logic for streaming data from the data file and for coordinating

4   presentation of the data by the media engine;

5   program logic for displaying relevant links from the data stream to other data;

6   and

7   program logic for resolving relevant links to the other data.

1   16.   In a computer system having a display and capable of generating a presentation

2   from a stream of data, a method comprising:

3   (a)   accessing the stream of data;

4   (b)   extracting content data from the stream of data;

5   (c)   presenting the content data on the display;

6   (d)   extracting selection data representing at least one user-selectable region

7   within the presentation of the content data, the user-selectable region

8   associated with a command; and

9   (e)   modifying the presentation of the content data upon selection of the user-

10   selectable region associated with a selectable command.

1   17.   The method of claim 16 wherein (d) further comprises:

2   (d.1)   extracting data representing a plurality of user-selectable regions within

3 the presentation of the content data, each user-selectable regions associated with a

4 command.

1   18.   The method of claim 16 wherein (e) comprises:

2   (e.1)   navigating through the presentation of the content data.

1   19.   The method of claim 16 wherein (e) comprises:

2   (e.1)   pausing the presentation of the content data and establishing a link to the

3 other data.

1   20.   In a computer system having a display and capable of generating a presentation

2 from a stream of data, a method comprising:

3   (a)   providing a data file containing a stream of data having internal

4 commands and user selectable options interleaved in the stream with presentation

5 data;

6   (b)   extracting the presentation data from the data file and generating a

7 presentation thereof;

8   (c)   extracting the internal commands from the data stream and interpreting

9 the internal commands;

10   (d)   extracting the user selectable options from the data stream and

11 presenting the user selectable options superimposed over the presentation; and

12   (e)   manipulating the presentation in response to selection of one of the user
13   selectable options.

1   21.   Apparatus for displaying content from a data file comprising:
2   a media engine for presenting content data from the data file;
3   program logic for streaming content data from the data file and for coordinating a
4   presentation of the content data by the media engine, the presentation having a
5   plurality of data segments and relevant links from the data stream to other data; and
6   program logic for displaying an outline of the presentation and relevant links from
7   the data stream to other data during display of the presentation.